



Presented by

Battelle
The Business of Innovation

Wilson High School
3950 Chesapeake Street, NW
Washington, DC 20008

Saturday, March 24, 2012
8:00 AM-6:00 PM





EVENT PROGRAM

7:45am-8:00am	Student Arrival/Check-In
8:15am-8:45am	Welcome and Opening Remarks
9:00am-12:00pm	General and Special Award Judging
9:30am-12:30pm	STEM Expo
12:00pm-1:30pm	Lunch/Expo Intermission
1:30pm-3:00pm	Expo Re-Opens/Grand Award Judging
3:00pm-4:00pm	Announcement of Special Award Winners
4:30pm-6:00pm	Awards Ceremony

An Intel ISEF (International Science and Engineering Fair) Affiliated Fair

The DC STEM Fair is an Intel ISEF-affiliated fair and is registered with the Society for Science and the Public, that has owned and administered the ISEF since its inception in 1950. First and second place Senior Grand Award Winners at the DC STEM Fair will represent the District of Columbia at Intel ISEF 2012, which will be held in Pittsburgh, PA from May 13-18.

Event Management

A key component of the STEM Vision for the District of Columbia Public Schools (DCPS) is to increase both achievement and engagement in Science, Technology, Engineering, and Mathematics subjects. DCPS strongly believes that participation in competitions, such as the DC STEM Fair, will help accomplish this goal. **Camsie McAdams**, Director of STEM for DCPS, and **James Rountree**, DCPS Curriculum Specialist for Science, serve as **Co-Directors** of the DC STEM Fair and convened a group of educators from across the district to serve on the planning committee.

DC STEM Fair Planning Committee Chairs:

Maya Garcia, Judging Coordinator

Kun Ye Booth, Expo Coordinator

Alexandra Caceres, Special Awards and Volunteer Coordinator

Kesson Anderson, from the DC Public Education Fund was responsible for **fiscal management** for the DC STEM Fair.

Sponsors



Student Lunches Sponsored by Jaleo

JALEO

DC STEM Fair by the numbers

37 Schools
205 Projects
244 Students
104 Judges
26 Exhibitors
23 Special Award Organizations

Participating Schools

Ballou High School
Banneker High School
Brookland Education Campus
Burroughs Education Campus
Center City Public Charter School
Columbia Heights Education Campus
Deal Middle School
E.L. Haynes Public Charter School
Friendship Blow Pierce Campus
Friendship Collegiate Academy
Georgetown Visitation High School
Hardy Middle School
Hart Middle School
H.D. Woodson High School
Howard University Middle School of
Mathematics and Science
Jewish Primary Day School
Johnson Middle School
Langdon Education Campus
Langley Education Campus

MacFarland Middle School
McKinley Technology High School
Meridian Public Charter School
Oyster Adams Bilingual School
Phelps Architecture, Construction, and
Engineering High School
Raymond Education Campus
Roots Activity Learning Center
Roots Public Charter School
School Without Walls High School
Sousa Middle School
Spingarn High School
Stuart Hobson Middle School
Takoma Education Campus
Washington Latin High School
Washington Latin Middle School
Washington Mathematics, Science, and
Technology Public Charter School
Whittier Education Campus
Wilson High School

Special Award Organizations

American Institute of Aeronautics and
Astronautics National Capital Section
American Nuclear Society Washington DC
Section
American Society of Mechanical Engineers
ASM International DC Materials Chapter
Berman Enterprises and Admiral
Construction
Central Intelligence Agency
Clean Air Partners
DC-Commissioned Officers Association
dc greenworks
District of Columbia Environmental
Education Consortium
Federal Water Quality Association

Frederick C. Young Award/Zoelimax
Foundation
Geological Society of Washington
George Washington University
Graduate Women in Science
LEGACY, Inc.
Medical Society and Alliance Foundation, Inc.
MIT Club of Washington, DC
National Space Club
Optical Society of America
The Aerospace Corporation
Washington DC Chapter of the American
Meteorological Society (DC-AMS)
Washington Statistical Society (WSS)

Number of Projects by Category

Category	Number of Projects by Division		
	Junior Division (grades 6-8)	Senior Division (grades 9-12)	Total
Animal Sciences	3	3	6
Behavioral & Social Sciences	9	10	19
Biochemistry	3	2	5
Cellular & Molecular Biology	1	6	7
Chemistry	28	7	35
Computer Science	1	4	5
Earth & Planetary Science	6	0	6
Energy & Transportation	5	1	6
Engineering	11	5	16
Environmental Sciences & Management	17	10	27
Mathematical Sciences	2	4	6
Medicine & Health	3	4	7
Microbiology	3	3	6
Physics & Astronomy	14	5	19
Plant Sciences	5	6	11
Team (Various Categories)	15	9	24
TOTAL	126	79	205

Participating Students

Aaron Coates	Coumba Gueye	Issac Williams
Acey Calhoun	Damante Singleton	Jaden Jones
Afia Tyus	Daniel Jones	Jaimesha B. Cole
Ahneenah Butler	Daniel Maliken	James Mitchell
Aisha Djibo	Danielle Howard	Jamila Spears
Alaitz Ruiz	Danny Anwar Glickman	Jasmin Perrier
Alazar Getachew	Danyel Tharakan	Jaylynn Corbett
Alexandra Marie Foster	Darel Gordy	Jazmine Griffin
Alistair Andrulis	Darryl Taylor	Jeannifer Betancourt
Allie Littleton	Daryan Walton	Jelani Humbles
Amber Thompson	Daulton Sink	Jhabaria Benjamin
Amiah Young	Deanna Moore	Jordan Rivas
Amoni Douglas	Deche Johnson	Jordan Tyler
Amy Vallis	Deion Williams	Joseph May
Ana Sierra	Delores Brown	Josephine Pernet
Andre Cox	Demi Dunson	Joyce Benjamin
Andrea Washington	Des O'Brien	Julia Guidry
Andrew Arlotto	Deshon Leggett	Julia Highsmith
Andrew Reeves	Devin Gilliam	Julia Nessman
Anh Vu	DeVonte Gordon	Kaelia Minor
Anjulee Gunther	Diamond Johnson	Kaili Gregory
Anthony Cavicchia	Dominick Hogans	Kamryn Mickel
Anthony Green	Dominique Brevard	Karen Guevara
Arjun Pappajohn	Dulce Monzon	Kenan Willis
Avery Coffey	Dylan Sheffield	Kendra Spruill
A'yhana Davis	Ebonee Vick	Kevin Machuca
AzaNia Inman	Ekram Jiru	Keyonna Jones
Aziza Withers	Eliana Miller	Keyonna Plowden
Beleicia Bullock	Elizabeth Martu	Khayla Floyd
Betlihem Ayalew	Elvira Berisha	Kibwe Redman
Bianca Martinez-Moreno	Emily Hall	Kidist Deneke
Brendan Epton	Erica Toomer	Kristen Houser
Briante Guillory-Melvin	Erikah Moore	Krizsa Rae Oacan
Brittany Hunt	Francisca Piantini	Kyra Smith
Cameron Bailey Dickerson	Gabriella Saccocio	Kyrie Nesmith
Camille Williams	Gabrielle Towson	LaKerra Lewis
Casey Wong	Hanna Endrias	Lanice Beasley
Celeste Williams	Hezouwe Happy Awide	Laura Gonzalez
Christopher Brew	Isaac Bergfalk	Laureen Chalmers
Christopher May	Isaac Hudson	Layton Williams
Claire Ruhlman	Isaac Silber	Leah Terry

Leiloni King
LeNia Samuels
Levi Mason
Liliana Campos
Liran Zimand
Logan Anderson
Luke Cameron
Madeline Galvez
Mahder Etuma
Maja Guidry
Makaelah Plater
Makayla Hyatt
Malik Roberts
Malika Thorne
Marana Agoo
Marcel Gallion
Marcelo Nawar
Maria Aschenbrener
Marianne Warwick
Marquell Lewis
Marquis Gregg
Mary Marsh
Matthew Smee
Matthew True Haynes
Maurice Carter
Maurice Stephan Hamilton II
Maya Ettleson
Maya Monagan-Jones
Melody Riddick
Michael Pratt
Mickala Wade
Mickay Thompson
Mikayla Hooks
Mira Antwine
Miro Furtado
Mitchell Shapiro
Mykeri Hill
Naila Kenya
Natalie Vicente
Nathan Dupree
Ngozi Ugochukwu

Nia Christian
Nicholas Jones
Nicole Nunez
Niles Townsend
Nina Clemente
Nnedimma Ugochukwu
Nora Douglas
Norman Goodson
Ny'Jah Warren
Ny'Tasha Copeland
Olaedo Ukeekwe
Olivia Boyd
Owen Douglas Duffy
Perez Beal-Plummer
Philemon Mastewal
Philisha Adkins-Lewis
Pria Smith
Quintin White
Raubie Raiford
Rayan Hossain
Raymond Martin, III
Rebecca Ingber
Rickay Thompson
Riona Moore
Roger Prudencio
Roman Freeman
Ronald Merritt
Ruth Secular
Sam Cohen
Sam Radack
Samantha Mehring
Samara Fair
Samuel Debrow
Samuel Palca
Sarah Carleton
Sarah Davis
Sean Lovett
Shalaya Crummie
Shalonda Hermonstine
Shameka Harper
Shanya Taylor-Williams

Shu Yi Zhu
Skyah Davis
Skye Webster
Sofia Laguarda
SS'Kayla Edwards
Steven Romero-Fernandez
Stokely Lewis
Sudi Rodway
Sumkika Davidson
Taevon Cox
Talia Zymelman
Tamia Evans
Tariq Mitchell
Tatiana Bryant
Tatyana Russell
Tavian Southall
Tawana Thompson
Taylar Deas
Tessa Torgovitsky
Tierra Nelson
Tiffany Humphries
Timesha Ray
Tobias Shapinsky
Tommie Adkins
Tonia Ogundipe
Troy Jackson
TzeYin Tang
Valencia Perry
Vanessa Confesor
Vanessa Kemajou
Victor Leonard
Vonda Best
Waliyda Cole
Wendy Portillo
William Shamma
Xiu Chen
Zahra Wright
Zephania Gore
Zoe Frumin

STEM Expo Exhibitors





AWARDS CEREMONY

Junior Division Category Winners

Honorable mention, 3rd, 2nd, and 1st place

Junior Division Grand Award Winners

3rd overall, 2nd overall, 1st place overall

Senior Division Category Winners

Honorable mention, 3rd, 2nd, and 1st place

Senior Division Grand Award Winners

3rd overall, 2nd, and 1st place

All Awards presented by

Camsie McAdams and James Rountree, co-Directors of the DC STEM Fair
John Neral, Office of the State Superintendent of Education

Special Thanks to Our Sponsors

Title Sponsor (\$10,000)

Battelle

Platinum Sponsor (\$5000)

Intel

Gold Sponsors (\$1000)

CAPCS Online

Discovery Education

kem and associates, llc

Promethean

Silver Sponsor (\$500)

Houghton Mifflin Harcourt

Student lunches provided by Jaleo